



From past to better public health programme planning for possible future global threats: Case studies applied to infection control

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Year: 2010
Journal: Annali Dell'Istituto Superiore Di Sanita. 46 (3): 228-235

Abstract:

The impact of weather change and global pollution on the development and/or the transformation of microorganisms is no longer to be demonstrated. In this respect, heavy trends can be taken into account. This general context needs the development of anticipation procedures and the knowledge of the perception of prevention by the public for short, medium and long term actions. After a short discussion on the concept of emerging issues, the authors present some past examples of public health programs. These examples (malaria, dengue, chikungunya and cholera) are used to propose optimized ways of decision/action that may help to avoid possible crisis in a rapidly changing world. Then, the different lessons learnt are, under certain limits, associated with a forecasting analysis.

Source: http://dx.doi.org/10.4415/ann_10_03_02

Resource Description

Exposure :

weather or climate related pathway by which climate change affects health

Ecosystem Changes, Extreme Weather Event, Food/Water Quality, Food/Water Quality, Food/Water Security, Precipitation, Temperature

Extreme Weather Event: Flooding

Food/Water Quality: Pathogen, Pathogen, Pathogen, Pathogen, Other Water Quality Issue

Water Quality (other): Water temperature

Food/Water Security: Fisheries

Temperature: Extreme Heat

Geographic Feature:

resource focuses on specific type of geography

Ocean/Coastal

Geographic Location:

resource focuses on specific location

Climate Change and Human Health Literature Portal

Global or Unspecified

Health Impact:

specification of health effect or disease related to climate change exposure

Infectious Disease, Respiratory Effect

Infectious Disease: Airborne Disease, Foodborne/Waterborne Disease, General Infectious Disease, Vectorborne Disease

Airborne Disease: Other Airborne Disease

Airborne Disease (other): Legionella

Foodborne/Waterborne Disease: Cholera, Leptospirosis, Other Diarrheal Disease

Foodborne/Waterborne Disease (other): Polio; Typhoid; Cyanobacteria; Free amoebas

Vectorborne Disease: Mosquito-borne Disease

Mosquito-borne Disease: Chikungunya, Dengue, Malaria

Respiratory Effect: Other Respiratory Effect

Respiratory Condition (other) : Legionella

Medical Community Engagement:

resource focus on how the medical community discusses or acts to address health impacts of climate change

A focus of content

Mitigation/Adaptation:

mitigation or adaptation strategy is a focus of resource

Adaptation

Resource Type:

format or standard characteristic of resource

Research Article, Research Article

Timescale:

time period studied

Time Scale Unspecified